

Title (en)

EQUIPMENT MONITORING DEVICE, WIRELESS SENSOR, AND COLLECTING STATION

Title (de)

AUSRÜSTUNGSÜBERWACHUNGSVORRICHTUNG, DRAHTLOSER SENSOR UND SAMMELSTATION

Title (fr)

DISPOSITIF DE SURVEILLANCE D'ÉQUIPEMENT, CAPTEUR SANS FIL ET STATION DE COLLECTE

Publication

EP 3446916 A4 20190501 (EN)

Application

EP 16902446 A 20160520

Priority

JP 2016065018 W 20160520

Abstract (en)

[origin: EP3446916A1] A facility monitoring device includes: one or more wireless sensors (102 to 104), which are each provided on an object to be monitored, and are each configured to monitor the object to be monitored; and a collecting station (101) configured to receive monitoring information from the wireless sensors (102 to 104). The wireless sensors (102 to 104) each include: a first temperature sensor configured to measure a temperature of an overhead wire serving as the object to be monitored to output first temperature information; a second temperature sensor configured to measure an air temperature around the overhead wire to output second temperature information; an abnormality determination unit configured to determine whether the overhead wire has abnormality based on the first temperature information and the second temperature information, and generate abnormality information only when the abnormality determination unit determines that the overhead wire has the abnormality; and a wireless communication unit configured to transmit the abnormality information generated by the abnormality determination unit to the collecting station (101) .

IPC 8 full level

B60M 1/28 (2006.01)

CPC (source: EP US)

B60M 1/28 (2013.01 - EP); **G01K 13/02** (2013.01 - US); **G08B 21/182** (2013.01 - US); **H04W 4/38** (2018.01 - US); **G01K 13/024** (2021.01 - US)

Citation (search report)

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- [A] US 2015247781 A1 20150903 - FISCHER ERHARD [DE], et al
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CN110662220A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3446916 A1 20190227; **EP 3446916 A4 20190501**; JP WO2017199427 A1 20181018; US 2020348188 A1 20201105; WO 2017199427 A1 20171123

DOCDB simple family (application)

EP 16902446 A 20160520; JP 2016065018 W 20160520; JP 2018518042 A 20160520; US 201616092283 A 20160520